

Assignment-3

Python programming

Assignment Date	03 October 2022
Student Name	Miss . S.M.SIVA SRI
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Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi

Solution:

Program for Traffic Lights with Raspberry Pi:

```
from gpiozero import Button, LED
```

```
led= LED(25)
```

```
button = Button(21)
```

```
while True:
```

```
    button.wait_for_press()
```

```
    led.on()
```

```
    print("Pressed")
```

```
    button.wait_for_release()
```

```
    led.off()
```

```
    print("Released")
```

Program for Traffic Lights with Raspberry Pi:

```
from gpiozero import LED
```

```
from time import sleep
```

```
red = LED(22)
```

```
amber = LED(27)
```

```
green = LED(17)
```

```
while True:
```

```
    red.on()
```

```
    sleep(1)
```

```
    amber.on()
```

```
    sleep(1)
```

```
    green.on()
```

sleep(1)

red.off()

sleep(1)

amber.off()

sleep(1)

green.off()